

Docket No.: 4436-0119PUS1  
(PATENT)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

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In re Patent Application of:  
Rolf VETTER et al.

Application No.: NEW

Confirmation No.: N/A

Filed: February 16, 2006

Art Unit: N/A

For: METHOD FOR PROCESSING AUDIO-  
SIGNALS

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Examiner: Not Yet Assigned

**INFORMATION DISCLOSURE STATEMENT (IDS)**

MS PCT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement accompanies the new patent application submitted herewith. Also, references attached hereto are discussed on pages 5 and 6 of the present Specification.

A European Search Report is also enclosed.

Applicant has not submitted copies of each cited U.S. patent and U.S. patent application as required by 37 CFR 1.98(a)(2)(i), amended October 2004, as the U.S. Patent and Trademark

Office has waived this requirement for all U.S. patent applications. Applicant submits herewith copies of foreign and non-patents in accordance with 37 CFR 1.98(a)(2).

A concise explanation of relevance of the items listed on form PTO/SB/08 is in the form of an English language copy of a Search Report from a foreign patent office, issued in a counterpart application, which refers to the relevant portions of the references.

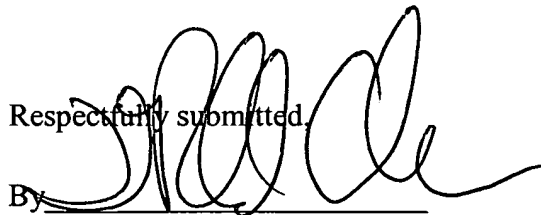
In accordance with 37 CFR 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists. In accordance with 37 CFR 1.97(h), the filing of this Information Disclosure statement shall not be construed to be an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

It is submitted that the Information Disclosure Statement is in compliance with 37 CFR 1.98 and the Examiner is respectfully requested to consider the listed references.

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to our Deposit Account No. 02-2448 for any additional fees required under 37 C.F.R. § 1.16 or under § 1.17; particularly, extension of time fees.

Dated: February 16, 2006

Respectfully submitted,



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Substitute for form 1449A/B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)				<b>Complete if Known</b>	
				Application Number	NEW 100/568610
				Filing Date	February 16, 2006
				First Named Inventor	Rolf VETTER
				Art Unit	N/A
				Examiner Name	Not Yet Assigned
Sheet	1	of	2	Attorney Docket Number	4436-0119PUS1

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
	AA*	US-6,430,528-B1 ✓	08-06-2002	Rickard Scott T et al	
	AB*	US-6,148,087-A	11-14-2000	Martin	
	AC*	US-6,343,268-B1	01-29-2002	Balan e al.	
	AD*	US-5,991,419-A	11-23-1999	Brander	
	AE*	US-5,966,639-A	10-12-1999	Goldberg et al.	
	AF*	US-5,511,128-A	04-23-1996	Lindemann	
	AG*	US-6,154,552-A	11-28-2000	Koroljow et al	
	AH*	US-6,327,370-B1	12-04-2001	Killion et al	
	AI*	US-5,757,932-A	05-26-1998	Lindemann et al.	
	AJ*	US-2003/0014248-A1	01-16-2003	Vetter	
	AK*	US-5,479,522-A	12-26-1995	Lindemann et al.	
	AL*	US-6,104,822-A	08-15-2000	Melanson et al	
	AM*	US-6,002,776-A	12-14-1999	Bhadkamkar et al	
	AN*	US-6,018,317-A	01-25-2000	Dogan et al	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
	BA	EP-1 326 478-A2 ✓	07-09-2003			
	BB	EP-1 017 253-A2 ✓	07-05-2000			
	BC	EP-1 509 065-A ✓	02-23-2005			

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. \* CITE NO.: Those application(s) which are marked with an single asterisk (\*) next to the Cite No. are not supplied (under 37 CFR 1.98(a)(2)(iii)) because that application was filed after June 30, 2003 or is available in the IFW. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T <sup>2</sup>
	CA	WITTKOP, T et al., Speech Communication, vol. 39, pages 111-138 ✓			
	CB	WITTKOP T et al., Acta Acustica, Editions De Physique. Les Ulis Cedex, FR, vol. 83, no. 4, 1997, pages 684-699 ✓			
	CC	J. B. Allen et al., J. Acoust. Soc. Am., vol. 62, no. 4, October 1977, pages 912-915 ✓			
	CD	Lucas Parra et al., IEEE Transactions Speech and Audio Processing, vol. XX, no. Y, 1999, pages 1-9 ✓			
	CE	R. Le Bouquin et al., IEEE Proceedings- I, vol. 139, no. 3, June 1992, pages 276-280 ✓			
	CF	D. H. Brandwood, Cross-Coupled Cancellation System For Improving Cross-Polarisation Discrimination, pages 41-45 ✓			
	CG	G. Clifford Carter, IEEE Transactions on Audio and Electroacoustics, vol. AU-21, no. 4, August 1973, pages 337-344 ✓			
	CH	Steven F. Boll, IEEE Trans. Acoust., Speech, Signal Processing, vol. ASSP-27, no.2, April 1979, pages 113-120 ✓			
Examiner Signature			Date Considered		

1AP20 Rec'd PCT/PTO 16 FEB 2006

PTO/SB/08a/b (07-05)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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Sheet	2	of	2	Attorney Docket Number	4436-0119PUS1

	CI	Bootstrapping Adaptive Cross Pol Cancelers for Satellite Communications, pages 4F.5.1-4F.535	
	CJ	Thomas Wittkop, Two-Channel noise reduction algorithms motivated by models of binaural interaction, geb. am 9. September 1968 in Hamburg	
	CK	Yariv Ephraim et al., IEEE Transaction on Speech and Audio Processing, vol. 3, no.4 July 1995, pages 251-266	
	CL	Volker Hohmann et al., Binaural Noise Reduction for Hearing Aids pages IV-4000-IV4003	
	CM	Jorn Anemuller, Across-Frequency Processing in Convolutional Blind Source Separation, geboren am 21. Mai 1971 in Lippstadt	
	CN	Electronics and Communications in Japan, vol. 67-A, no. 12, 1984 pages 19-28	
	CO	S. Haykin. Adaptive filter theory. Prentice Hall, New Jersey, 1996 pages 18-21, 32-33, 246-253, 256-257-259, 520-529	

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<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature		Date Considered	
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